Application No.	Applicant(s)	
09/844.670	THEKKATH ET AL.	
Examiner	Art Unit	
Anil Khatri	2124	
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	Examiner Anil Khatri ars on the cover sheet with (OR REMAINS) CLOSED in for other appropriate communication is suffered by the communication of the communication to file at ENT of this application. tted. Note the attached EXAM is reason(s) why the oath or of the submitted. on's Patent Drawing Review and Amendment / Comment or it be submitted. Amendment / Comment or it is a communication to file at the communication to file at ENT of this application.	D9/844,670 Examiner Anil Khatri Anil Khatri 2124 ars on the cover sheet with the correspondence address-(OR REMAINS) CLOSED in this application. If not included or other appropriate communication will be mailed in due course. GHTS. This application is subject to withdrawal from issue at the and MPEP 1308. Aminer. der 35 U.S.C. § 119(a)-(d) or (f). been received. been received in Application No cuments have been received in this national stage application from this communication to file a reply complying with the requirement entry of this application. Itted. Note the attached EXAMINER'S AMENDMENT or NOTICE (as reason(s) why the oath or declaration is deficient. It be submitted. On's Patent Drawing Review (PTO-948) attached Amendment / Comment or in the Office action of B4(c)) should be written on the drawings in the front (not the back) of the header according to 37 CFR 1.121(d). Sit of BIOLOGICAL MATERIAL must be submitted. Note the FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 5 Notice of Informal Patent Application (PTO-152) 6 Interview Summary (PTO-413), Paper No./Mail Date

Allowable Subject Matter

Claims 1-23 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art taken alone or in combination fails to disclose the claimed invention of onchip debugging, and more specifically to program counter (PC) and data tracing in embedded processor systems. Specifically, claims 1, 7, 8, 10, 11 and 20 are directed to trace data order determination element configured to generate a trace date order signal when trace data become available for cache miss, trace data mapped to current ranking of the relative age and trace data order signal is transmits with trace data for cache miss to indicate which previously trace instructions generated the trace data. Therefore, the claimed invention increases control and flexibility in the generation of tracing data is particularly important for the embedded processor industry.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anil Khatri whose telephone number is 571-272-3725. The examiner can normally be reached on M-F 8:30-5:00 PM.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-3725.

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ANIL KHATRI PRIMARY EXAMINER